

Notice of Allowability

Application No.

10/693,881

Examiner

Vickey Ronesi

Applicant(s)

KUBO ET AL.

Art Unit

1714

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment after final filed 11/21/2006.
2. ☒ The allowed claim(s) is/are 15 and 18-21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 8/22/2006
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Statement of Reasons for Allowance

The present claims are allowable over the closest prior art Harazoe et al (US 5,519,112) for the following reasons:

The present claims are drawn to a toner comprising a polyester resin prepared by condensing raw material monomers in the presence of a polyphosphoric acid or a salt thereof having a M_n of from 110 to 1000 and a titanium compound catalyst represented by the formula $Ti(Z)_4$ where Z is an alkoxy group having 8-18 carbon atoms.

Harazoe et al discloses a polyester resin prepared by polycondensing raw materials in the presence of a titanium alkoxide catalyst such as titanium tetrabutoxide (i.e., Z = alkoxy groups having 4 carbon atoms) and a phosphorus compound such as polyphosphoric acid. While Harazoe et al teaches a generic titanium alkoxide and a phosphorus compound such as polyphosphoric acid, it does not specifically teach a titanium alkoxide having an alkoxide group with 8-18 carbon atoms or exemplify a composition containing titanium alkoxide and polyphosphoric acid. Furthermore, applicant has provided data in both the specification as originally filed and in the declaration filed 2/15/2006 which are reasonably commensurate in scope with the scope of the claims that unexpectedly improved color reproducibility is obtained when condensing a polyester in the presence of a titanium alkoxide having an alkoxide group with 8-18 carbon atoms and a polyphosphoric acid having a M_n 100-1000. It is noted that the data contains two titanium alkoxide compounds which contain alkoxide groups having 8 and 18 carbon atoms. It is the examiner's position that these endpoints are sufficient to establish criticality for the whole range of 8-18 given that alkoxide groups with 9-17 groups would be expected to behave as alkoxide groups with 8 or 18 carbon atoms.

Art Unit: 1714

Thus, it is clear that Harazoe et al does not disclose or suggest the claimed invention.

In light of the above, it is clear that rejections of record are untenable and thus the present claims are passed to issue.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vickey Ronesi whose telephone number is (571) 272-2701. The examiner can normally be reached on Monday - Friday, 8:30 a.m. - 5:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on (571) 272-1119. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/693,881

Page 4

Art Unit: 1714

12/1/2006

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